

Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the subject application.

Listing of Claims:

What is claimed is:

1-6. (Cancelled)

7. (Original) A mixer which combines a powder material and a liquid material, characterized in that:

the mixer comprises an outer cylinder into which the powder material is loaded, a rotational axis which is located coaxially with the outer cylinder and discharges the liquid material while forming the liquid material to fine particles, and a fin which has a rectangular shape and is disposed along an inner wall of the outer cylinder;

the fin is independently revolvable around the rotational axis; and

the fin has side faces in a direction of revolution of the fin, each of which forms an inclined face such that a width of the fin becomes wider from an inner surface to an outer surface of the fin.

8. (Original) The mixer according to claim 7, wherein the fin is orthogonal to a direction of revolution of the powder material, and traverses the outer cylinder along the inner wall surface of the outer cylinder.

9. (Original) The mixer according to claim 7, wherein the fin forms a non-vertical angle with respect to a direction of revolution of the powder material, and traverses the outer cylinder along the inner wall surface of the outer cylinder.

10. (Original) The mixer according to claim 7, wherein a cylinder forming the rotational axis comprises an opening through which an outside and an inside of the cylinder communicate, and

discharges a liquid film made of the liquid material using a centrifugal force in order to obtain fine particles made of the liquid material, and wherein the fine particles of the liquid material are obtained by discharging the liquid film from an edge of the opening.

11. (Original) The mixer according to claim 10, wherein:

a plurality of cylinders each having through holes formed on a wall surface through which the liquid material passes are combined inside the cylinder having the opening;

the number of the through holes increases when approaching the outer-most cylinder;

a liquid amount of the liquid material is divided among the through holes of which the number thereof increases while the liquid material supplied from the inner-most cylinder is moved to the outer-most cylinder through the through holes by a centrifugal force accompanying rotation of the cylinders; and

the fine particles of the liquid material are obtained by discharging the liquid film from the edge of the opening of the outer-most cylinder.

12. (Cancelled)